

# GEMS POLYTECHNIC COLLEGE

## DEPARTMENT OF CIVIL ENGINEERING

# BUILD-UP BULLETIN



Volume : 2 Issue : 1 / July-Dec

Academic Year -2021-2022

### Editorial

Greetings and a warm welcome to Volume-2, Issue-1 of GEMS Built-Up Bulletin, dedicated to tailored for the dynamic community of the Civil Engineering Department at GEMS Polytechnic College. As we embark upon this edition, we embrace the essence of a new academic year—a canvas of possibilities where innovation thrives and aspirations find wings to soar.

### ABOUT THE DEPARTMENT:

The Department of Diploma in Civil Engineering was established in the year 2015. It is a professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment including public works. The length of study is three years; the curriculum generally includes classes in basic science, mathematics, project management, design and specific topics in civil engineering.



### VISION OF THE DEPARTMENT

Empowering the students in technical education and Excel those in the field of Civil Engineering with concern of socio-economic development of region, state and nation.



### MISSION OF THE DEPARTMENT

- To inculcate ethical and moral values among the students.
- To encourage students to pursue higher education and take competitive exams.
- To establish the Centers of Excellence in emerging area of research.

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## Industrial Visits Expand Horizons

Dated: 13th August 2021

**Dear GEMS Polytechnic College Community,**

In a bid to broaden our students' horizons and provide practical insights into the world of engineering, several enriching industrial visits were organized in the past few months. Here's a glimpse of the valuable experiences our students gained:

### **Visit 1: SONE WESTERN Hydroelectric Power Plant Dated: 13th August 2021**

Our students embarked on an educational journey to the SONE WESTERN Hydroelectric Power Plant, where they witnessed firsthand the operations and mechanisms behind hydroelectric power generation. This visit offered a profound understanding of renewable energy sources, complementing their academic knowledge.

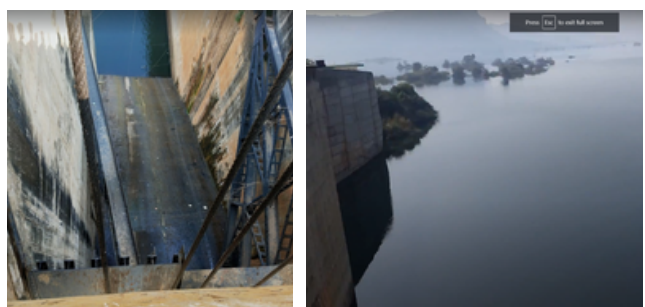
### **Visit 2: Indrapuri Barrage Dated: 13th August 2021**

Exploring the Indrapuri Barrage, students delved into the intricacies of hydraulic structures and water resource management. This visit provided insights into the critical role such structures play in regulating water flow and ensuring resource optimization.

### **Visit 3: KARAMCHAT DAM Dated: 16th December 2021**

A Learning Expedition Continuing the tradition of experiential learning, our students engaged in an illuminating visit to the KARAMCHAT DAM. This immersive experience allowed them to witness the applications of theoretical concepts in the field of Civil Engineering.

Moreover, engaging with professionals and experts at the site provided invaluable insights. Students were able to interact with engineers, gaining practical wisdom, and understanding the challenges and innovative solutions employed in such monumental projects.



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## 5 Days FDP of Immersive Learning on Revit Architecture

Dated: 20th – 24th December, 2021

A transformative learning experience unfolded over five intensive days as the Civil Engineering department conducted immersive hands-on sessions meticulously crafted by our Para-Academics. These sessions were designed to empower our students with practical insights and real-world applications of Revit Architecture in the field of Civil Engineering.

### Highlights of the Workshop:

- Guest Speaker: Mr. Jerushan J
  - Renowned in the industry, Mr. Jerushan J graced the workshop, sharing invaluable expertise and industry insights, enriching our students' learning experiences.
- Active Participation:
  - A commendable turnout of 49 students actively engaged in the workshop, showcasing enthusiasm and dedication towards learning.
- Structured Sessions:
  - Each day, for 2 hours, students delved into practical exercises and immersive learning modules meticulously curated by our faculty.



Stay tuned for more updates and events in the upcoming issues!